



SAMPLE Application Form Eleventh Annual New Hampshire Governor's Award For Pollution Prevention

Business: Manufacturers, Commercial Services, Office Buildings

Organization: Environmental, Community, Non-Profit Groups, Institutions (Schools, Hospitals), Public Agencies, Municipalities

Technology: Manufacturers of new P2 technologies need to supply measurement data from businesses that are using your new technology (page 3), also include your own business operation information (pages 5,6).

Business or Organization: Company B

Contact Name & Title: John Doe

Street Address: Spring St.

City: Hometown NH

Zip: 03123

SIC/NAICS: 3069

Telephone: 1-800-555-5554 Fax: 1-800-555-5553 Email: jdoe@companyB.com

Website: www.companyB.com

Number of Employees at this address: 24

Description of Business or Organization: Company B is a manufacturer of custom rubber molded products.

Description of Pollution Prevention Project: To eliminate the consumption of all non value added resources throughout the company in turn reducing costs and helping to protect the environment.

Applications are due by June 21, 2005.

Applications may be submitted electronically (nhppp@des.state.nh.us) or through the mail.

Please submit completed application and relevant attachments to:

New Hampshire Department of Environmental Services

Pollution Prevention Program, Attn: April Arroyo

P.O. Box 95, 29 Hazen Drive

Concord, NH 03302-0095

Please view the **N.H. Governor's Award web page** at www.des.state.nh.us/nhppp/GovAward/ for frequently asked questions, application examples, how winners are selected and other relevant information. The Eleventh Annual Governor's Award for Pollution Prevention winners will be notified in August 2005.

It is important to completely answer all sections of this application that apply to your project. A comparison will be made of all applications received, based upon the information submitted. Should we require any further information, NHPPP will contact you. Please type or print neatly!

Section I. Project Description

Note: "Project" means a specific project, an entire program, or an outreach/education activity. Please be very descriptive of your project!

Project title: Project Waste Elimination

Project description: Our water consumption reduction was implemented by replacing our liquid cooled air compressor with an air cooled compressor. Our liquid cooled compressor was an open loop system. This means that while the compressor is operational, water continues through the system to provide immediate cooling and is then discharged into the drain system. The air cooled system uses air to cool the compressor eliminating any need of water. This change has eliminated the need of any process water in our factory. With the purchase of the new compressor we were also able to see a gain in energy efficiency going from a 20hp motor to a 10hp motor with the same output.

We implemented many strategies and programs to reduce our energy consumption which are as follows:

1. The exclusive purchase of Energy Star equipment to replace existing equipment. (examples: replacing outdated motors with energy efficient motors, purchasing new, more energy efficient presses.)
2. Changed current shifts. Instead of five eight-hour days, 2 shifts, we now run four ten-hour days, 2 shifts. More manufacturing is conducted on off peak time, reducing energy cost.
3. Replaced lighting to energy efficient lighting.
4. Developed energy awareness programs educating employees on energy consumption and waste.
5. The purchase of thermal blankets to insulate molding areas on all presses to minimize heat loss.

Why was the project undertaken?

In order to compete in today's ever increasing global manufacturing economy, it is essential to eliminate all waste. In doing so, we reduce our overhead cost, which allows us to reduce the cost to the customer, which allows us to remain competitive. Part of Company B's mission statement is to reduce cost by eliminating waste. When looking into our waste generation and costs associated with it, we determined that two of our largest wastes are the consumption of energy and water. Even though project waste elimination was initiated to reduce costs, we knew the effects of the project would also have positive effects on the environment.

Project contact (if different):

Section II. Adherence to Pollution Prevention Hierarchy

Describe how the project fits within the P2 hierarchy strategies (eliminate, reduce volume, reduce toxicity, reuse, recycle). Why was this strategy selected over other options?

As you can see from the numbers below, this project fits the strategies. We have been able to reduce our energy consumption by approximately sixty percent and our water consumption by approximately ninety nine percent. We have also eliminated all process water consumption throughout our manufacturing.

Section III. Measurement of Success

Include correct unit of measurement in all applicable areas of this section. Manufacturers of P2 technologies, please fill out the following information from businesses that have installed your technology.

Reduction of a Waste or Raw Material

Did this project reduce waste (waste generated or raw materials utilized)? ___Yes_x___No

If yes, please provide past quantity of waste generated/raw materials utilized:

Current quantity of waste generated/raw materials utilized:

Quantity of waste/raw materials reduced:

Estimated Cost Savings/Year:

Payback period (real or estimated):

Reduction in Air Emissions

Did this project reduce air emissions? ___Yes_x___No

If yes, please provide past amount of air emissions generated:

Current amount of air emissions generated:

Amount of air emissions reduced:

Estimated Cost Savings/Year:

Payback period (real or estimated):

Reduction in Energy Usage

Did this project conserve or save energy? ☒ Yes ☐ No

If yes, please provide past quantity of energy utilized: 84,000 KWH PER MONTH

Current quantity of energy utilized: 34,800 KWH PER MONTH

Quantity of energy saved: 49,200 KWH PER MONTH

Estimated Cost Savings/Year: \$43,746.75

Payback period (real or estimated): Immediate

Section III. Measurement of Success (continued)**Reduction in Water Usage**

Did this project conserve water? ☒ Yes ☐ No

If yes, please provide past quantity of water utilized: 329,800 GALLONS PER QUARTER

Current volume of water utilized: 16,434 GALLONS PER QUARTER

Volume of water conserved as a result of this project: 313,366 GALLONS PER QUARTER

Estimated Cost Savings/Year: \$ 2,684.40 PER YEAR

Payback period (real or estimated): Immediate

Reduction in Other Measures

Please describe any other measures used, (i.e. time, labor, energy, raw materials and training, as well as the costs for any raw material and disposal costs).

Did these measures result in cost savings? ☐ Yes ☐ No

Estimated Cost Savings/Year (include hidden costs of time, labor, energy, raw materials, and training, as well as any raw material and disposal costs).

For Organizations Only:

Please provide any relevant information on turnout for workshops/training/seminars/activities.

Please note any increase in requests for materials on information. (For whom and what type of requests?)

Section IV. Commitment and Leadership in Pollution Prevention

Manufacturers of P2 technologies need to fill out this section with regard to their own business operations.

Explain your management commitment of pollution prevention and overall environmental excellence. Examples include: employee training, incentive programs, awards, planning meetings, a pollution prevention policy, an environmental purchasing policy, or supply chain collaboration.

Once a month, all Company B employees meet to discuss the results of our conservation program. We discuss the cause of wasteful procedures/practices, and brainstorm different ideas to eliminate or change these practices, and to increase our conservation efforts. We also review any new procedures/practices that have been implemented to decrease waste, and discuss their effectiveness. We post all results monthly in prominent areas of the facility so that employees (and any visiting customers/vendors) can see, “number-wise”, what effect our efforts have had. In these open discussions with our employees, we have found that some of them have made efforts to utilize similar programs and principals at home, due to an increased awareness of the importance of conservation efforts, due directly to the efforts we make here at Company B. With the help of PSNH, we recently had an audit conducted to find further ways to decrease our energy consumption. The results of the audit should be presented this month. We have made a commitment to PSNH to use this audit to decrease our energy consumption by implementing the ideas presented by them.

Explain how P2 philosophy has become incorporated into a company-wide philosophy. If available, please attach a copy of your mission statement, policy or vision on pollution prevention.

For Company B, energy/water conservation has become part of everyday life, from ideas as simple as remembering to turn off the lights to using Energy Star products. We realize that small changes in training and awareness of our employees equal big changes for our company and the environment. The impact of our efforts has been so beneficial that waste reduction has been added to Company B’s mission statement due to its importance on our company and the environment.

Does the facility have an environmental management system ☒ Yes ☐ No

Is your facility ISO 14001 certified ☐ Yes ☒ No

If yes to either of these questions, please explain your reasons for implementation.

With so many limited resources in the environment, Company B is aware of and committed to doing its part to reduce the consumption of resources through programs such as our energy/ water conservation program, and our continuing commitment to recycle and dispose of waste properly. We have also found that reducing the consumption of these resources has had a positive effect on the overall costs of the company.

Section V. Benefits to Community

Describe any benefits of this project or program to the community.

Energy conservation and waste reduction benefits everyone. For our community in particular we run on town water. By reducing our consumption, we are ensuring more for our community. At Company B, we recognize that the earth's natural resources are limited and every effort is needed to conserve these resources. In these continuing efforts to decrease waste, we have been able to expand our company by thirty seven percent over last year. This in turn increased the need for new employees, hired within the surrounding community.

Have community relations improved as a result of this project? ☒ Yes ☐ No

If yes, please describe.

Becoming more conscious about pollution prevention has improved our public perception with in the community. Our community recognizes us as a responsible, caring company that has interest in helping to conserve community resources as well as thrive as a local business.

Have improvements to employees (i.e., improved worker safety, increased production and morale) resulted from this project? ☒ Yes ☐ No

If yes please describe.

One of the benefits of implementing our energy program was the change in shifts from five days a week to four days per week. During this time we continue to see productivity gains due to less set up's and changeovers. It seems that the employees are less fatigued working four days per week versus the five days. This has resulted in increases in productivity and less safety concerns.

Section VI. Additional Information

Are the projects, ideas or innovations described in this application transferable to other companies? Yes. It is extremely important for all companies to develop programs to eliminate waste. The programs chosen may differ from our above programs. However, all will serve the same purpose of reducing wastes, costs and protecting the limited resources of the environment. All implementation above can be transferable to any manufacturing environment.

Please provide, if necessary, any additional information not addressed in this application. You may also attach to this application any hardcopies (i.e. brochures, press releases or web addresses) that you would like included.

Web address for Mission Statement: www.companyB.com